

# Георгий Самвелович Погосян

## Институт физики

Руководитель центра

23-47  
(060) 71-03-47

pogosyan@ysu.am  
 R<sup>g</sup>

## Знание языков

Հայերեն Русский English

## Публикации

### Статья

#### **Semi-Circular Parabolic System on Two-Dimensional Hyperboloid**

G.S. Pogosyan, A.Yakhno

Physics of Particles and Nuclei 2024 667-671

### Статья

#### **Geometric Collective Model of Atomic Nuclei: Finite Element Method Implementations**

G. S. Pogosyan, A. A. Gusev, G. Chuluunbaatar, S. I. Vinitsky, A. Deveikis, P. O. Hess, L. L. Hai

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### Статья

#### **Quantum Systems with Hidden Symmetry. Interbasis Expansions**

L.G. Mardoyan, G.S. Pogosyan, A.N. Sissakian, V.M. Ter-Antonyan

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### Статья

#### **Separations of Variables and Analytic Contractions on Two-Dimensional Hyperboloids**

G. S. Pogosyan, A. Yakhno

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### Статья

#### **On elliptic trigonometric form of the Zernike system and polar limits**

Natig M Atakishiyev, George S Pogosyan, Kurt Bernardo Wolf, Alexander Yakhno

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### Статья

#### **Spherical geometry, Zernike's separability, and interbasis expansion coefficients**

George S. Pogosyan, Natig M. Atakishiyev, Kurt Bernardo Wolf, Alexander Yakhno

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### Статья

#### **Elliptic basis for the Zernike system: Heun function solutions**

George S. Pogosyan, Natig M. Atakishiyev, Kurt Bernardo Wolf, Alexander Yakhno

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### Статья

**Superintegrable classical Zernike system**

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**Статья****Eigenfunction expansions in the imaginary Lobachevsky space**

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**Статья****Kepler motion on single-sheet hyperboloid**

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**Статья****New separated polynomial solutions to the Zernike system on the unit disk and interbasis expansion**

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**Статья****Harmonic Oscillator on the  $SO(2; 2)$  Hyperboloid**

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**Статья****Relation of the oscillator and Coulomb systems on spheres and pseudospheres**

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*Статья*

**Hidden symmetry, separation of variables and interbasis expansions in the two-dimensional hydrogen atom**

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**Zernike System Stems from Free Motion on the 3-Sphere**

George S. Pogosyan, Kurt Bernardo Wolf, Natig M. Atakishiyev, Alexander Yakhno

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**The Superintegrable Zernike System**

George S. Pogosyan, Natig M. Atakishiyev, Cristina Salto-Alegre, Kurt Bernardo Wolf, Alexander Yakhno

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*Конференция*

**Symbolic-Numeric Algorithm for Computing Orthonormal Basis of  $O(5) \times SU(1,1)$  Group**

George S. Pogosyan, Algirdas Deveikis, Alexander A. Gusev, Vladimir P. Gerdt, Sergue I. Vinitsky,

Andrzej Gozdz, Aleksandra Pedrak, Cestmir Burdik

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